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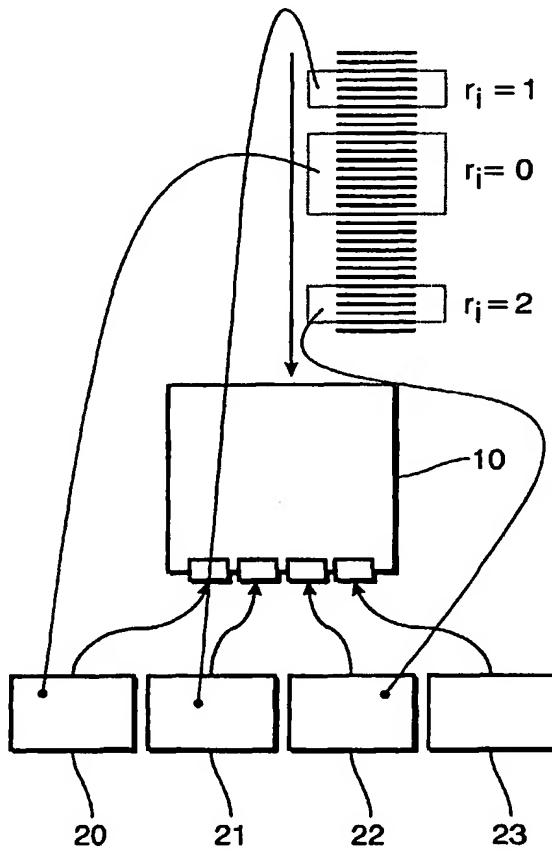
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[Continued on next page]

(54) Title: AUTOMATIC TASK DISTRIBUTION IN SCALABLE PROCESSORS



(57) Abstract: The present invention relates to a processing method and apparatus for processing an information based on a sequence of instructions, wherein a repeated sub-sequence is detected in the sequence of instructions and an allocation between a processing resource and said repeated sub-sequence is determined based on an index information indicating the repetition frequency of the repeated sub-sequence. Thus, a combination of a scalable signal processor with automatic task distribution is provided, by means of which the number of memory accesses can be reduced, as the repeated sub-sequence can be allocated to external processing units, which are correspondingly programmed or which use their embedded memory. This also saves power.



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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

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